

Table 1-1

**Indicators of elementary and secondary school mathematics and science education**

Topic	Indicator
Student learning in mathematics and science	<ul style="list-style-type: none"> <li>• Mathematics and science performance of first-time kindergarten students in the 2010–11 school year</li> <li>• Trends in fourth and eighth graders' mathematics performance from 1990 to 2011</li> <li>• Eighth graders' science performance in 2009 and 2011</li> <li>• International comparisons of fourth and eighth graders' mathematics and science achievement in 2011</li> </ul>
Student coursetaking in mathematics and science	<ul style="list-style-type: none"> <li>• Highest level of mathematics and science coursetaking by high school freshmen in 2009</li> <li>• Trends in participation and performance in Advanced Placement program from 2002 to 2012</li> <li>• High school Advanced Placement mathematics and science course offerings in 2012</li> </ul>
Teachers of mathematics and science	<ul style="list-style-type: none"> <li>• Experience, certification, and subject-matter preparation of mathematics and science teachers in 2012</li> <li>• Professional development of mathematics and science teachers in 2012</li> <li>• Working conditions of mathematics and science teachers in 2012</li> <li>• Attrition rates of beginning public school teachers from 2007–08 to 2009–10</li> </ul>
Instructional technology and digital learning	<ul style="list-style-type: none"> <li>• Term definitions and review of emerging policies, practices, and the effects of instructional technology and distance education on student learning</li> </ul>
Transitions to higher education	<ul style="list-style-type: none"> <li>• Trends in on-time high school graduation rates from 2006 to 2010</li> <li>• International comparisons of secondary school graduation rates in 2010</li> <li>• Immediate college enrollment from 1975 to 2011</li> <li>• Remedial coursetaking among 2003–04 beginning postsecondary students</li> <li>• International comparisons of college enrollment rates in 2010</li> </ul>

*Science and Engineering Indicators 2014*